Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/08/2022 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124951	-1	1.23	124900	1.20
Blue	F	SSC	125000	124140	-1	2.51	124648	2.38
Blue	E	FITC	13602	13288	-3	2.23	373	13.12
Blue	D	PE	24891	24567	-2	1.63	585	10.17
Blue	B	PerCP-Cy5-5	33972	33008	-3	2.88	943	14.22
Blue	A	PE-Cy7	22865	22765	-1	4.89	475	30.01
Red	C	APC	47198	46204	-3	2.62	1594	11.26
Red	A	APC-Cy7	26454	25688	-3	3.13	726	11.98
Violet	B	V450	6737	6457	-5	3.55	450	11.54
Violet	A	V500	29317	28118	-5	3.04	961	8.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24331	2.02	532	-3	N/A	N/A	Pass
Blue	F	SSC	55821	1.90	517	-4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	0	0.0460	102	Pass
Blue	D	PE	114	37.07	487	1	0.4194	280	Pass
Blue	B	PerCP-Cy5-5	147	40.30	578	-1	0.0222	90	Pass
Blue	A	PE-Cy7	78	78.17	622	1	0.0230	0	Pass
Red	C	APC	332	25.62	572	0	0.0297	207	Pass
Red	A	APC-Cy7	135	34.73	550	-1	0.0070	1670	Pass
Violet	B	V450	77	45.94	445	-5	0.0514	1959	Pass
Violet	A	V500	114	29.94	464	-5	0.0268	791	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.61	-31.43	1.10
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.04	13.90 - 20.86	N/A	N/A	29.78	29.97	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10389

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments